

BACHELOR OF SCIENCE IN NEUROSCIENCE & COGNITIVE SCIENCE

NAME _____ STUDENT ID _____

EXPECTED GRADUATION _____ FOCUS: **Neuroscience** / **Cognitive Science** CATALOG: **2021-23**

UNIVERSITY FOUNDATIONS & GENERAL EDUCATION

Composition

- ENGL 101 or equivalent.....3
 ENGL 102 or equivalent.....3
 or ENGL 109H (pre-med requires addtl course- see advisor).....3

Second Language

2nd semester proficiency by credit or exam required.....

Mathematics

Requirement satisfied by supporting coursework

Tier One

Individuals & Societies

- _____ 150 _____ 3
 _____ 150 _____ 3

Traditions & Cultures

- _____ 160 _____ 3
 _____ 160 _____ 3

Tier Two

Individuals & Societies

- _____ 3

Humanities

- _____ 3

Arts

- _____ 3

Diversity Emphasis

(Gender/Race/Class/Ethnicity/Sexual Orient./Non Western)

One course must be taken from the Diversity Emphasis list

NSCS FOUNDATION/SUPPORTING COURSEWORK

Chemistry

CHEM 151 (lec & lab combined) (F, S, SS)..... 4

Biology

MCB 181R (lec) (F, S, SS) **and** MCB 181L (lab) (F, S, SS).....3 1

Physics

PHYS 102 (lec) **and** 181 (lab) (F, S, SS) [**or** PHYS 141].....3 1

Mathematics

MATH 122A&B **or** MATH 125 (F, S, SS).....3 – 5

Statistics

(MATH 263 recommended for pre-med students)

MATH 263 **or** PSY 230.....3

Philosophy

PHIL 241 (F, S, SS).....3

FOUNDATION FOCUS (MUST MATCH MAJOR FOCUS)

Complete 12 units from one focus

Option 1: Neuroscience Focus

- CHEM 152 (lec & lab combined) (F, S, SS).....4
 CHEM 241A (lec) **and** CHEM 243A (lab) (F, S, SS).....3 1
 PHYS 103 (lec) **and** 182 (lab) (F, S, SS) [**or** PHYS 241].....3 1

Option 2: Cognitive Science Focus

NSCS 344 Modeling the Mind.....3

Take 3 courses from at least 2 categories (see full curriculum for options):

- Cognitive Psychology Linguistics Philosophy

1. _____ 2. _____
 3. _____

GATEWAY COURSE

NSCS 200 Fundamentals of Neurosci & Cog Sci.....3
 *Course pre-reqs: MCB 181R/L **and** PSY 101 or 150A1

MAJOR CORE (MUST COMPLETE NSCS 200 FIRST)

- NSCS 307 Cellular Neurophysiology (F) (Honors Section)....3-4
 NSCS 308 Methods in Neuroscience (F).....1
 NSCS 311 Scientific Programming with MATLAB (F, S).....3
 NSCS 320 Issues & Themes in Cognitive Science (F).....3
 NSCS 321 Methods in Cognitive Science (F).....1

MAJOR FOCUS (MUST MATCH FOUNDATION FOCUS)

Complete 6 units from one focus

Option 1: Neuroscience Focus

- NROS 310 Mol & Cell Bio of Neurons (S) (Honors Section)...3-4
 NROS 418 Fund Principles in Systems Neuro (S).....3

Option 2: Cognitive Science Focus

Take 2 courses from the Cognition Emphasis list (courses cannot double-dip):

1. _____ 2. _____

EMPHASIS ELECTIVES

Complete 15 units from one emphasis. Up to 6 units of upper-division research, internship, preceptorship (max 3 units), or thesis credit may be applied. Course listing at nscs.arizona.edu

- | | | |
|--|-------------|-------|
| <input type="checkbox"/> Cognition | _____ | _____ |
| <input type="checkbox"/> Computation | _____ | _____ |
| <input type="checkbox"/> Development & Aging | _____ | _____ |
| <input type="checkbox"/> Lang. & Comm Sci | _____ | _____ |
| <input type="checkbox"/> Neurobiology | _____ | _____ |
| <input type="checkbox"/> Philosophy of Mind | _____ | _____ |
| <input type="checkbox"/> Thematic | _____ | _____ |
| | Total Units | _____ |

Program Assessment Completed

ADDITIONAL GRADUATION REQUIREMENTS: 120 total units 42 upper div. units 2.000+ cum GPA 2.000+ major GPA
 MCWA complete ___ 30+ total units at UA ___ Final 18 of 30 units complete ___ <60 correspondence/UA exam units ___ 18+ NSCS units at UA ___